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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/813,380	03/30/2004	Paul James Buriak	2004B020	4679
Carry Company Law Technology P.O. Box 2149 Baytown, TX 77522-2149			EXAMINER	
			AUGHENBAUGH, WALTER	
			ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/813,380 BURIAK ET AL. Office Action Summary Examiner Art Unit WALTER B. AUGHENBAUGH 1794 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 21 May 2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 32-36.38-48.50.52-55 and 64 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 32-36,38-48,50,52-55 and 64 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _ 6) Other:

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

 A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on May 21, 2008 has been entered.

Acknowledgement of Applicant's Amendments

The amendments made in claims 32 and 45 in the Amendment filed May 21, 2008 have been received and considered by Examiner.

WITHDRAWN REJECTIONS

The 35 U.S.C. 102 and 103 rejections made of record in the previous Office Action
mailed February 22, 2008 has been withdrawn due to Applicant's amendments made in claims 1
and 9 in the Amendment filed June 26, 2008.

NEW REJECTIONS

Claim Rejections - 35 USC § 103

- The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- Claims 32-36, 38-43, 45-50, 52-55 and 64 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kitami et al. (USPN 5,362,530).

In regard to independent claim 32 and dependent claims 35 and 36, Kitami et al. teach a reinforced multilayer pipe (col. 1, lines 10-14 and entire document) comprising a first Application/Control Number: 10/813,380

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thermoplastic tubular structure (inner peripheral wall of inner layer, col. 2, lines 56-61), a second thermoplastic tubular structure (outer peripheral wall of inner layer, col. 2, lines 61-66) covering the first thermoplastic tubular structure, a reinforcing structure (col. 5, lines 38-48) covering the second thermoplastic tubular structure and an additional layer disposed between the first thermoplastic tubular structure and the second thermoplastic tubular structure (col. 5, lines 49-51 and col. 7, lines 52-55). The reinforcing structure of Kitami et al. corresponds to a steel tubular (col. 5, lines 38-48). An additional layer in the "core of a multilayered structure" (col. 7, lines 53-54), that is located between the inner and outer walls of the inner layer of the second embodiment (which falls within the scope of the teachings at col. 5, lines 49-51 and col. 7, lines 52-55), corresponds to the claimed barrier layer (although Kitami et al. fail to explicitly teach that this additional layer has the claimed carbon dioxide permeability).

Kitami et al. fail to explicitly teach that the additional layer has the claimed carbon dioxide permeabilities.

Kitami et al., however, disclose that the thicknesses of the core layer (which includes the additional layer: col. 5, lines 49-51 and col. 7, lines 52-55) may be varied to control the permeation of the gases (Fig. 1-9). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have varied the thickness of the additional layer in order to achieve the desired degree of carbon dioxide permeability, depending on the particular desired end result, since it has been held that discovering an optimum value of a result effective variable involves only routine skill in the art in the absence of unexpected results.

MPEP 2144.05 II.B.

In regard to independent claim 45 and dependent claims 52 and 53, Kitami et al. teach the reinforced multilayer pipe as discussed above in regard to claim 32. The tubular article of Kitami et al. corresponds to the claimed well tubing joint because no additional structure over the pipe of claim 32 is recited in claim 45. Note that an appropriate sized tubular article of Kitami et al. would serve as a joint between two appropriately sized lengths of tubing of Kitami et al. that are arranged end to end (where the tubular article that corresponds to the joint has an inner diameter such that the joint fits tightly over the outer surfaces of the two lengths of tubing of Kitami et al. that are arranged end to end). The reinforcing structure (col. 5, lines 38-48) of Kitami et al. corresponds to the claimed rigid tubular section.

In regard to independent claim 64, Kitami et al. teach the reinforced multilayer pipe as discussed above in regard to claim 32. The reinforcing structure (col. 5, lines 38-48) of Kitami et al. corresponds to the claimed rigid tubular section.

In regard to claims 33 and 50, since the first thermoplastic tubular structure, second thermoplastic tubular structure and additional (barrier) layer are components of a multilayered laminate that does not include a layer that cannot be coextruded along with polymeric film layers (such as the reinforcing layer, which is outside of the multilayered laminate that includes first thermoplastic tubular structure, second thermoplastic tubular structure and barrier layer), this structure corresponds to a structure that would result from coextrusion of the materials of each of these layers to form these layers (col. 2, lines 56-66, col. 5, lines 38-48, col. 5, lines 49-51 and col. 7, lines 52-55).

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In regard to claim 34, Kitami et al. teach that polyamides (and nylons: nylons are polyamides) are suitable stress crack barrier materials (col. 5, lines 49-51, col. 7, lines 52-55 and col. 6, lines 15-26).

In regard to claims 38-41, the recitations "drill well", "production tubing", "production casing" and "sewer line" are intended use recitations that have been given little patentable weight, since it has been held that a recitation with respect to the manner in which a claimed article is intended to be employed does not differentiate the claimed article from a prior art article satisfying the claimed structural limitations. *Ex parte Masham*, 2 USPQd 1647 (1987). The only structure positively recited in claims 38-41, a tubular (from claims 38-41) pipe (from claim 32) is met by the structure of the tubular article of Kitami et al.

In regard to claim 46, Kitami et al. teach that the each of the materials recited in claim 46 are suitable materials for the first and second thermoplastic tubular structures (col. 6, lines 9-52).

In regard to claims 47 and 48, Kitami et al. teach that the each of the materials recited in claims 47 and 48 are suitable materials for the first and second thermoplastic tubular structures (col. 6, lines 9-52).

In regard to claims 42, 43, 54 and 55, Kitami et al. fail to explicitly teach that the barrier layer has the claimed thicknesses. Kitami et al. also disclose that the thicknesses of the core layer (which includes the barrier layer: col. 5, lines 49-51 and col. 7, lines 52-55) may be varied to control the permeation of the gases and the flexibility of the hose (Fig. 1-9, col. 7, lines 52-55 and col. 11, lines 46-49). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have varied the thickness of the barrier layer in order to achieve the optimal balance of carbon dioxide permeability and hose flexibility, depending on

the particular desired end result, since it has been held that discovering an optimum value of a result effective variable involves only routine skill in the art in the absence of unexpected results.

MPEP 2144 05 ILB.

Claim 44 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kitami et al.
 (USPN 5,362,530) in view of Flepp et al. (USPN 6,555,243).

Kitami et al. teaches the tubular structure as discussed above in regard to claim 32.

Kitami et al. fail to explicitly teach that the barrier layer comprises an ethylene vinyl alcohol copolymer.

Flepp et al., however, disclose that ethylene/vinyl alcohol copolymers (EVOH) are known barrier materials for nonpolar and polar solvents that must be an intermediate layer in a multilayer tube for protection from moisture (col. 2, lines 50-60), and Flepp et al. disclose a tube comprising an EVOH intermediate layer (see entire document). Therefore, one of ordinary skill in the art would have recognized to have used EVOH as the material of the barrier layer of Kitami et al. since EVOH is a well known barrier material for nonpolar and polar solvents that must be an intermediate layer in a multilayer tube as taught by Flepp et al.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have used EVOH as the material of the barrier layer of Kitami et al. since EVOH is a well known barrier material for nonpolar and polar solvents that must be an intermediate layer in a multilayer tube as taught by Flepp et al.

Response to Arguments

7. Applicant's arguments regarding the Kitami et al. reference have been fully considered but are not persuasive. Applicant's arguments are moot due to the new ground of rejection made of record in this Office Action, except for Applicant's argument that Kitami et al. does not teach a "steel tubular". However, the reinforcing structure of Kitami et al. corresponds to a steel tubular (col. 5, lines 38-48).

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Walter B. Aughenbaugh whose telephone number is (571) 272-1488. While the examiner sets his work schedule under the Increased Flexitime Policy, he can normally be reached on Monday-Friday from 8:45am to 5:15pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena Dye, can be reached on (571) 272-3186. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Walter B Aughenbaugh / Examiner, Art Unit 1794

9/15/08